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Endeavour on pad after seven-hour rollout

◆ **Shuttle Update:** Space Shuttle Endeavour is on Launch Pad 39A and ready for prelaunch processing after a nearly seven-hour trip from the Vehicle Assembly Building. First motion out of the VAB was at 8:10 p.m. Tuesday, and the shuttle was "hard down" on the pad at 3:02 a.m. Wednesday.



◆ **ISS Update:** The Expedition 15 crew and flight controllers completed software upgrades this week for computers on the U.S. and Russian segments. The upgrades to the U.S. computers will allow the addition of the Harmony node, the European Space Agency's Columbus module and the Japanese Kibo experiment module during future shuttle flights.

Commander Fyodor Yurchikhin and Flight Engineer Clay Anderson last week finished preparing their spacesuits for a planned July 23 spacewalk. During the U.S. spacewalk, Yurchikhin and Anderson will jettison a support post for an exterior video camera and a 1,400-pound, refrigerator-sized tank that is no longer needed. The tank, known as the early ammonia servicer, was designed to replenish ammonia to the temporary cooling system on the station in the event of a coolant leak.

The spacewalkers also will replace a faulty remote power control module to restore backup power to the station's mobile transporter railcar, which is needed for the STS-118 mission. Other tasks include cleaning the Unity node's nadir common berthing mechanism seals for the relocation of pressurized mating adapter-3. PMA-3 must be moved before the station's Harmony node arrives on shuttle mission STS-120, which is targeted for late October.

Plans are proceeding for the launch of the next Russian cargo ship, the ISS Progress 26, which will deliver new computers, equipment, food, fuel, water

and other supplies. Launch is scheduled for Aug. 2, with docking Aug. 5.

■ **The KSC Fitness Center Annual Bench Press/ Pull Up Competition** — The competition takes place July 16 - 20 at the O&C and OSB Fitness Centers. The rules state:

- *Men must lift 100% of body weight.
- *Women must lift 60% of body weight.
- *Participants must schedule an appointment with a staff member who will monitor technique and count reps.
- *Participants may enter the competition as many times as desired, thus having the ability to improve scores.
- *Participants may do each portion of the contest consecutively or on different days and/or times.

For more information, contact Alycen LaBarca at 867-7829 or alycen.m.labarca@nasa.gov.

■ **Giving Blood** — Florida's Blood Centers will be on site from 9 a.m. to 3 p.m. at the dates and places below. Please bring a photo ID showing your first and last names.

- ◆ July 17, CCAFS Hangar AF
- ◆ July 18, KSC Logistics
- ◆ July 24, KSC Headquarters
- ◆ July 30, CCAFS ROCC
- ◆ July 31, O&C Building (from 8 a.m.)

Remembering Apollo — On July 20, the 38th anniversary of the first moon landing, NASA will host more than a dozen retired members of the Grumman Corporation's Lunar Module Reliability and Maintainability team who worked on the Apollo-era lunar module. They are gathering in Washington to participate in technical discussions to address such issues as testing, failure analysis and corrective action. The engineers will share lessons learned with current NASA employees working on the Constellation Program, which will return humans to the moon by 2020.

A panel discussion with the retired engineers will take place from 2:30 to 3:30 p.m. The panelists will take questions from the audience at NASA Headquarters. Those at Kennedy may submit a question in advance by sending an e-mail to tracy.g.young@nasa.gov. **The deadline for submissions is no later than noon on Friday.**

The event will be aired on NASA TV at a later date.

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